Directed VIDEO

OWNER'S GUIDE



10.4" (4:3) Overhead Video Monitor/DVD Player

MODEL OHD1040

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NON-TRANSFERABLE LIMITED CONSUMER WARRANTY

Directed Electronics, Inc. (Directed) promises to the original purchaser that the automotive video monitor and/or source unit(s) (the Product), excluding accessories, purchased and installed from a Directed authorized dealer within the ninety (90) days after purchase of the new vehicle, in which the Product is installed, is free from defects in materials or workmanship under normal use and conditions for a period of three (3) years from date of purchase or the first 36,000 miles as registered on the new vehicle's odometer reading at time of delivery of the Product for warranty service, whichever occurs first. Product purchased or installed more than ninety (90) days after the new vehicle is purchased are warranted for a period of one (1) year from date of purchase of the Product.

Directed promises to the original purchaser that all video accessories will be free from defects in materials and workmanship under normal use and condition for a period of ninety (90) days after the date of purchase. A sales receipt and/or warranty registration card is required to provide proof of date of purchase of the Product or accessories.

Should the Product be determined defective during the applicable warranty period, the Product will be repaired or replaced with a new or comparable reconditioned part(s), at Directed's option. To obtain warranty service, the Product must be returned to a Directed authorized dealer along with proof of purchase and installation.

Note: This warranty does not cover labor costs for the removal and reinstallation of the Product. IN ORDER FOR THIS WARRANTY TO BE VALID, YOUR PRODUCT MUST BE SHIPPED WITH PROOF OF PURCHASE AND INSTALLATION BY AN AUTHORIZED DIRECTED DEALER. ALL PRODUCTS RECEIVED BY DIRECTED FOR WARRANTY REPAIR WITHOUT PROOF OF DIRECTED DEALER INSTALLATION WILL BE DENIED.

This warranty is non-transferable and does not apply to any Product that has been modified or used in a manner contrary to its intended purpose, and does not cover damage to the Product caused by installation or removal of the Product. This warranty is **VOID** if the product has been damaged by accident or unreasonable use, negligence, acts of God, neglect, improper service or other causes not arising out of defect in materials or construction. This warranty does not cover the elimination of externally generated static or noise, or the correction of antenna problems or weak television reception, damage to tapes, video games, software, camcorders, discs, speakers, accessories or vehicle electrical systems, cosmetic damage or damage due to negligence, misuse, abuse, failure to follow operating instructions, accidental spills or customer applied cleaners, damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, windstorms, lightning or extreme temperatures, damage due to accidents, road hazards, fire, theft, loss or vandalism, damage due to improper connection to equipment of another manufacturer, modification of existing equipment, use of a faulty tape cartridge or cleaning of the VCR head, or Product which has been opened or tampered with for any reason or which has been damaged due to alteration or service performed by anyone other than Directed Electronics, Inc.

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Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitations or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitations of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.

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Safety Instructions and Cautions



WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIP-MENT TO RAIN OR MOISTURE. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE INCLUDED HARDWARE.

THIS MONITOR IS ONLY DESIGNED FOR REAR SEAT PASSENGER VIEWING AND IS NOT INTENDED FOR VIEWING BY THE DRIVER WHILE THE VEHICLE IS IN MOTION. SUCH USE MAY DISTRACT THE DRIVER OR INTERFERE WITH THE SAFE OPERATION OF THE VEHICLE, AND MAY ALSO VIOLATE STATE LAW.

DIRECTED ELECTRONICS, INC. DISCLAIMS ANY LIABILITY FOR ANY BODILY INJURY, INCLUDING FATALITIES, OR PROPERTY DAMAGE THAT MAY RESULT FROM ANY IMPROPER OR UNINTENDED USES OF THIS PRODUCT.

SHOULD THE LCD PANEL BREAK OR LEAK FLUID, AVOID ALL CONTACT WITH THE UNIT. IF YOU SHOULD COME IN CONTACT WITH THE LEAKED FLUID, WASH THE AFFECT AREA THOR-OUGHLY WITH WAS AND SEEK IMMEDIATE MEDICAL ATTENTION.

- During operation, if the unit should over-heat or malfunction, switch off the unit and see your dealer. Do not disassemble the unit as there are no user-serviceable parts in this unit and the warranty will be voided.
- Should there be a need to replace a blown fuse, turn off the unit and disconnect all power to the player. Use only the correct rating fuse to avoid electrical damage to the unit.
- Only operate the monitor as described in this guide. Attempts to use or modify this monitor contrary to the descriptions in this guide may cause damage and void the warranty.
- Extremes in temperature can cause abnormal display operation. This monitor has an optimal operating temperature range between 35-115 degrees Fahrenheit. If the vehicle interior is outside this range, do NOT operate the monitor until the temperature is within its operating range.
- Exposure to moisture or dust can cause harmful damage to the internal electronics. Do not mount near cup holders or in areas where spills may occur.
- This monitor is designed for use in vehicles with standard (-) 12 volt ground electrical systems.
- Do not operate for an extended period of time without the engine running or the vehicle's battery voltage may drop to damaging levels.
- Do not drop the LCD panel or subject it to direct impact. This will damage the panel and/or the back light element.
- When operating the unit, avoid contact with the LCD panel.
- Prevent metal or foreign objects being locked between the LCD screen and the enclosure. Foreign objects may impair smooth running of the disc and may cause electrical problems.
- Keep unit away from equipment with strong magnets such as large loudspeakers.
- To prevent malfunction, do not play discs other than the ones listed below: DVD audio discs, DVD-ROMs, CD-ROMs, Photo CDs and DVDs with region numbers other than this player's region number.

Welcome

Thank you for your purchase of Directed's Overhead Monitor with integrated DVD. Prior to operating this unit, please fully read this instruction manual and retain it for future reference.

Important

WHEN CLEANING THE VEHICLE

Do not spray this unit with water or cleaning solutions. Moisture and the chemicals found in cleaning fluids could damage the consoles finish and interior electronics. A soft damp, lens cleaning cloth should be used to wipe the screen.

WHILE DRIVING

This unit is intended for use in the rear seat area only. It should not be installed in a location that would allow the driver to view it while driving.

WHEN PARKED

The screen is easily removable. Always close the screen when parking for an extended period of time to avoid potential theft or extended exposure to direct sunlight.

PROPER USE

Do not touch the screen. Do not pull or hang from the fold down monitor door.

REPAIRS

If the monitor stops working for any reason, discontinue use immediately and consult with your retailer about any necessary repairs.

RADIO/TV TUNER USE

When the unit is used in conjunction with a Radio/TV tuner, please assure that the receiver is manufactured to receive television broadcast signals that are transmitted via terrestrial radio waves. Reception quality will change and vary according to vehicle location and weather conditions.

INSTALLATION

Avoid installing the monitor at a location, where it will be under direct sunlight or a hot air vent. Operating temperature of the unit is from 32-140 degrees Fahrenheit. Install the unit at a dry location, where it is away from condensation. Only correct size of fasteners or installation cables should be used during installation. Failure to do so may cause a mechanical failure and create a fire hazard. The installation should be done by an authorized Directed dealer.

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NOTE: If the internal temperature of the vehicle is higher than the normal operating temperature, please allow the vehicle to cool down prior to operating the unit.

PICTURE QUALITY

The picture quality of this LCD unit depends strictly on its installed location. To achieve the best picture quality, adjust the brightness control or viewing angle of the unit until the optimum viewing is achieved.

Important Information

FCC NOTICE

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

YOUR WARRANTY

Your warranty registration must be completely filled out and returned within 10 days of purchase. Your product warranty will not be validated if your warranty registration is not returned. Make sure you receive the warranty registration from your dealer. It is also necessary to keep your proof of purchase, which reflects that the product was installed by an authorized dealer.

Installation Guide

PRECAUTIONS

- 1. This unit should be installed by an authorized Directed dealer.
- 2. This product is designed to operate with a 12V DC, negative ground battery system.
- 3. Disconnect the ground wire from the battery terminal prior to connecting the unit to the electrical system.
- 4. The wiring from some other products or accessories might bear similar color code as this product; however, they might be of other function. Please refer to the electrical connection diagrams of this product prior to installing to avoid improper connection.
- 5. Use proper connectors and insulation to prevent electrical damage to the unit.

- 6. Do not connect the yellow wire and red wire together of this product directly to the +12V. Connect the red wire of this product to the ACC of the ignition key switch and yellow wire to +12V. Failure to do so may result in permanent drainage of the battery charge.
- 7. Only supplied accessories should be used to avoid damage to the unit during installation.
- 8. Ensure that the display monitor is suitably installed at a location, such that it will not obstruct the rear view mirror and/or the air condition vents.
- 9. Do not install this unit at a declining angle exceeding 30 degrees.
- 10. Do not install screws over the plane surface, which may affect monitor eject or retract function.

ELECTRICAL CONNECTIONS

Power Cable (4-pin, one pin not used)

Color Code	Function
Black	This wire is the ground source for the monitor and DVD.
Red	Accessory +12V switched power source for the monitor and DVD. This wire supplies the main power to the system.
Yellow	Constant +12V power. This wire supplies power to the DVD for last position memory.

Dome Light Cable (5-pin)

Color Code	Function
Black	This wire supplies the ground to the domelight circuit.
Red	This wire supplies +12V switched power to the domelight circuit.
Yellow	This wire supplies +12V constant power to the domelight circuit.
Purple	This wire connects to the (+) door trigger.
Grey	This wire connects to the (-) door trigger.

The Red and Yellow wires should be connected together and then run to the domelight circuit.

SIGNAL CONNECTION

Adapter Audio

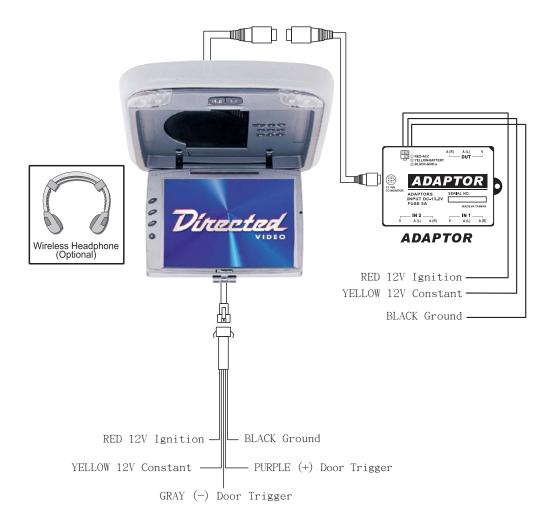
Color Code		Function
Red	1 (RCA)	Audio - Right (Input)
White	1 (RCA)	Audio - Left (Input)
Red	2 (RCA)	Audio - Right (Input)
White	2 (RCA)	Audio - Left (Input)
Red	3 (RCA)	Audio - Right (Output)
White	3 (RCA)	Audio - Left (Output)

Adapter Video

Color Code	Function
Yellow 1 (RCA)	Video - In (V-IN 1)
Yellow 2 (RCA)	Video - In (V-IN 2)
Yellow 3 (RCA)	Video - Out (V-OUT 1)

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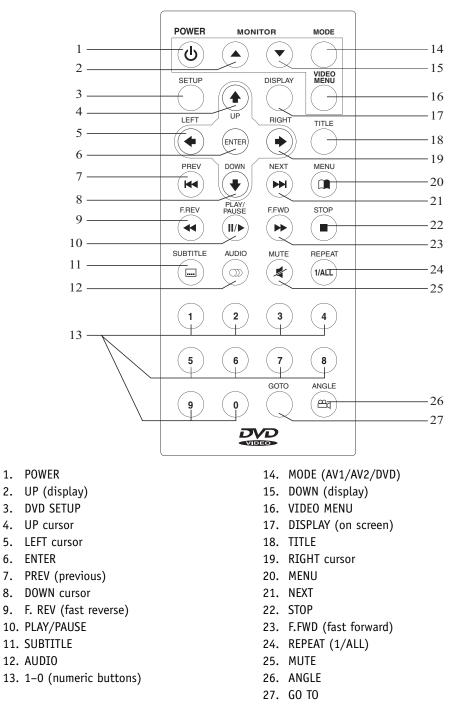
Typical Wiring Diagram



Function Keys 5 6 10 11 12 .13 -15 14 18 17 -16 9 9 3 --7 4 Directea -3 VIDEO 9 2 1 Di 8 **Display and Unit DVD Function Keys** 1. LCD Display 10. DVD MENU button 2. VIDEO Select button 11. UP button Δ 3. UP/DOWN button ▲/▼ 12. AUDIO button 👁 4. VIDEO MENU button 13. LEFT button < 5. Door Light ON/OFF button 14. Enter button 🖓 6. Courtesy Light \checkmark RIGHT button \triangleright 15. 7. IR Sensor 16. PLAY/PAUSE button 17. DOWN button ∇ OPEN/Close latch 8. 9. IR transmitter 18. STOP button

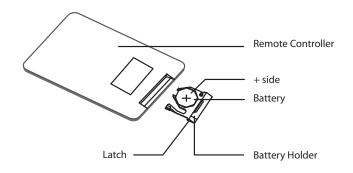
Remote Control Unit

REMOTE BUTTONS



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BATTERY REPLACEMENT



NOTE: Before using remote after installation, remove the battery plastic protective slip.

- 1. Move the small latch to the right and slide out the battery holder.
- 2. Remove old battery and replace it with a new battery (CR2025) with the positive "+" sign facing as shown above.
- 3. Push battery holder back into its compartment until it is locked.

PRECAUTIONS

- 1. Properly dispose of used battery.
- 2. Do not misuse battery by shorting the positive "+" and negative "-" terminal or put it into fire. Overheating may cause the battery to explode and cause a fire hazard.
- 3. If the remote is not to be used for a long period, remove the battery from the remote to prevent damage from battery leakage.
- 4. To avoid accidents, prevent children from playing with the battery.

Loading and Unloading Discs

You can use single side and dual layer DVDs, VCDs, CD-audio and CD-R compatible 12cm discs with this system.

LOADING DISC

- 1. Press it the upper right corner to open the door.
- 2. Load with the recorded side (the shiny side) facing up. With double-sided discs, load with the side you want to watch facing up. Ensure that the disc is seated properly before pushing tray back into its locking position.
- 3. Push to close the door.



UNLOADING DISC

- 1. Press it the upper right corner to open the door.
- 2. Remove the disc. (Avoid touching the recorded surface.)
- 3. Push to close the door, until you hear a click sound from the door mechanism.



Operating the Monitor

OPEN/CLOSE THE DISPLAY MONITOR

To open the display monitor, push the "OPEN" latch and pull the monitor down to the desired position.

To close the display monitor, push the monitor up until it latches closed with an audible click.

Power Up/Down the Display Monitor

The unit will power up when the display monitor is unlatched and pulled down. (If the unit does not power up, press the Power button on either the remote or on the left side of the LCD screen.

To turn the power Off to the unit, press the POWER button on the remote three times. Also the power will shut Off when the display monitor is placed in the closed and latched position.

If the icon displays in the upper left-hand corner of the screen when using the remote, it indicates that the command issued is not allowed during the mode that the monitor display is presently in, or is not available on this system.

SIGNAL SOURCE (MODE)

Press remote (MODE) button to select the input signal AV1, AV2 or DVD.

FUNCTION MODE (MENU)

Press remote "VIDEO MENU" button or monitor "MENU" 🛄 button to activate the screen set up sequence as follows:

COLOR	\rightarrow	CONTRAS	$ST \rightarrow$	BRIGHTNESS	\rightarrow	TINT
t		RESET	•			
COLOR: Color adjustment			BRIGHTNESS: Brightness adjustment			
CONTRAST: Contrast adjustment			TINT: Adjustment to color saturation			

RESET: Resets COLOR, CONTRAST, BRIGHTNESS, and TINT to factory settings.

Once the desired setting is selected, press the cursor key to the desired setting. If a key is not activated within 5 seconds, this function mode will turn OFF. Once the correct function is selected, press the cursor key (or the desired setting). If no key is depressed, this function mode will turn OFF in about 5 seconds.

DOOR LIGHT ON/OFF

Engage this switch (I) to activate the dome light(s) when a door is open.

Note: This function can be operational only when the Gray wire of the dome light circuit is connected to the door switch.

COURTESY LIGHT ON/OFF

Activate this switch \rightarrow to "ON/OFF" to illuminate the dome light(s).

Basic Functions

DVD PLAYBACK

- 1. Select video source (DVD).
- 2. Load a disc into the unit.
- 3. DVD playback commences.

Note: The disc will start to play if there are no titles recorded on the disc. If one or more titles are recorded on the disc, a menu screen will appear on the LCD screen.

- 4. Press \triangleright / \triangleleft / \triangle / ∇ to select the preferred title.
- 5. Press the "ENTER" button, the selected item will now start playing.
- 6. Return to the menu screen.
- 7. Press the DVD "MENU" button, the menu screen will appear.
- 8. After operation, press the "POWER" **⊍** button to put the unit into ^L standby mode.

Note: If the "WRONG REGION" message appears, it means that the corresponding operation is prohibited either by the player or by the disc.

AUDIO CD PLAYBACK

- 1. Press the remote control's "**POWER**" **U** button or the LCDs "**POWER**" **U** button to switch-on the unit's power.
- 2. Insert a disc into the unit.
- 3. Press "PLAY/PAUSE" Multiplication to start the playback of the disc.



FAST FORWARD OR REVERSE (DVD/MP3/CD)

- 1. Press the "**FF**" button during playback. Each time this button is pressed, the unit will go into a rapid advance playback mode. This will be shown on the LCD, depending on the speed of the playback selected.
 - CD playback

FF 1X FF 2X FF 3X FF 4X PLAY Press "**PLAY**" button, the speed will go back to standard. ■ MP3/DVD playback

FF 2X FF 4X FF 6X FF 8X PLAY

Press "PLAY" button, the speed will go back to standard.

- 2. Press the "**FR**" d button during playback. Each time this button is pressed, the unit will go into a rapid reverse playback mode. This will be shown on the LCD, depending on the speed of the playback selected.
 - CD playback

	FR 1X	FR 2X	FR 3X	FR	4X	PLAY
Press "	PLAY" buttor	n, the speed	d will go bac	k to	standard	•
DVD	playback					
	FR 2X	FR 4X	FR 6X	FR	8X	PLAY

Press "**PLAY**" button, the speed will go back to standard.

NEXT TRACK OR PREVIOUS TRACK (DVD/MP3/CD)

- 1. Press the "**NEXT**" ►► button during playback.
 - MP3/Audio CD

The player will skip forward to the next track each time the button is pressed. "NEXT" will be displayed on the LCD screen.

DVD

The player will skip forward to the next title/chapter each time the button is pressed. "TITLE aa/bb CHAPTER cc/ddd" will be displayed on the LCD screen.

WHERE aa:Current TITLE bb:Total TITLE cc:Current CHAPTER ddd:Total CHAPTER

2. Press the "**PREV**" **I** button during playback.

■ MP3/Audio CD

The player will skip to the beginning of the previous track each time the button is pressed. "**PREVIOUS**" will be displayed on the LCD screen.

DVD

The player will skip to the beginning of the previous chapter each time the button is pressed.

PLAY/PAUSE (DVD/MP3/CD)

1. Press the "**PLAY/PAUSE**" **I** button, during playback. "PAUSE" will display on the LCD. The player is placed in the pause mode.

2. Press the "**PLAY/PAUSE**" button again. "PLAY" will momentarily display on the LCD. The player returns to normal playback.

STOP (DVD/MP3/CD)

1. During Audio CD playback, when "STOP" 🔳 button is pressed, the CD playback will stop.

2. During DVD playback, when the "STOP" button is pressed, the DVD playback will stop. "PRESS PLAY TO CONTINUE" will display on the LCD. Press the "PLAY/PAUSE" // button to continue playback from the point where the "STOP" button was pressed.

3. During DVD playback, if the "STOP" button is pressed twice. "STOP" will display on the LCD. Press the "PLAY/PAUSE" Multiple button to resume playback from the first chapter of the DVD.

NOTE: The resume playback function is not available for audio CDs.

"GO TO" FUNCTION (DVD/MP3/CD)

The "GO TO" function enables you to go to a specific location by entering the time/track/chapter or title.

MP3/Audio CD

When the "GO TO" button is pressed the following will be displayed:

GOTO __:__

Use the numeric keys to enter the desired disc time and pressing the "ENTER" button will cause the player to start playing at the selected time.

DVD

When the "GO TO" button is pressed once the following is displayed:

(1) TITLE xx/xx CHAPTER xxx/xxx

If the "GO TO" button is pressed twice the following is displayed:

(2) TITLE xx/xx xx:xx:xx

Use the numeric keys to enter the desired title or chapter or chapter time and pressing the "ENTER" button will cause the player to start playing at the selected title, chapter or chapter time.

ADVANCED PLAYBACK (DVD/MP3/CD)

REPEAT MODE

■ MP3/Audio CD

When the "REPEAT" button is pressed:

REP ONE = The current track will be repeated. FOLDER REP = The current folder will be repeated. FOLDER = All the folders will be repeated.

DVD

When the "REPEAT" button is pressed:

CHAPTER REPEAT = The current chapter will be repeated. TITLE REPEAT = After the DVD plays, the current title menu will be displayed. REPEAT OFF = The repeat mode will be switched off.

CAMERA ANGLE (DVD)

Some DVD discs may contain scenes, which have more than one viewing angle. For these discs, the same scene can be viewed from a different angle by using the "**ANGLE**" button.

- 1. During DVD playback, press the "**ANGLE**" button. "x/y" will appear. "x" represents the current camera angle, and "y" represents the total number available camera angles.
- Press the "ANGLE" button until the preferred angle is selected. The ANGLE selection will cycle through all available camera angles.

NOTE: This function will only work on discs where multiple camera angles have been recorded.

AUDIO FUNCTION (DVD)

The audio function works only for discs that have multiple audio soundtracks.

During DVD playback, press the AUDIO button. "AUDIO x/y" will appear, x represents the current audio stream and y represents the total available audio streams.

Press the "AUDIO" button until the preferred audio stream is selected. The "AUDIO" selection will cycle through all available audio streams.

SUBTITLE (DVD)

During DVD playback, you may change the subtitle language from the one selected at the initial setting to a different language, if available.

(1) Press the "SUBTITLE ON/OFF" button.

(2) During DVD playback and SUBTITLE ON, press the "SUBTITLE" button. "SUBTITLE x/y" will appear, x represents the current subtitle and y represents the total available subtitle.Press the "SUBTITLE" button until the preferred subtitle is selected. The "SUBTITLE" selection will cycle through all available subtitles.

The company behind this system is Directed Electronics, Inc.

Since its inception, Directed has had one purpose, to provide consumers with the finest vehicle security, car stereo products, rear seat entertainment, and accessories available. The recipient of more than 20 patents in the field of advanced electronic technology, Directed is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

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Directed[®] is committed to delivering world-class quality products and services that excite and delight our customers.

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